

DATE: 11/24/2009

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00096169

JEFFERSON PARISH

B2009000282

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR:

BUYER: J. Lotz

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 1/05/2010 AND PUBLICLY OPENED UPON COMPLETION OF ADMINISTRATIVE TASKS.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES DISQUALIFY BID.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. THIS BID PACKAGE MUST BE RETURNED IN ITS ENTIRETY.

Questions on this bid are to be faxed to (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH will accept one bid only from each vendor. Items bid must meet or exceed specifications.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection.

If the bid exceeds \$20,000.00 and the bidder is an agency, corporation, partnership, or other legal entity, the president, vice-president, secretary/treasurer, or an authorized agent, shall sign the proposal, and satisfactory evidence of the authority of the person signing for the agency, corporation, partnership, or other legal entity shall be attached to the proposal.

AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

Visit our website at WWW.JEFFPARISH.NET/BIDS

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

JEFFERSON PARISH requires a firm price. Quoted price will remain firm until _____

PRICES: Jefferson Parish is exempt from paying sales tax under LSA-RS 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. If a contractor is to act as Purchasing Agent for tax-exempt purposes, the Parish shall specifically state so within this bid specification. All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 105529 or 105530 dated 5/17/06. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

POSTING OF BIDS: Non-Advertised bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA, for a period of Five (5) working days after opening date.

Advertised bids will be tabulated and a copy forwarded to each responsive bidder.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

9, 10, 16

1. All bidders are invited to attend the pre-bid conference. Failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. This conference is held to allow questions to be answered and inspect the site with owner's representative, etc. Failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification (with no additional cost to the owner).
2. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project.
3. A Louisiana state contractor's license may be required in accordance with LSA-R.S. 37:2150 et seq.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
5. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
6. All awards in excess of \$5,000.00 for the construction, alteration, or repair of any public works will be reduced to a formal contract which shall be recorded at the contractor's expense. A price list of recordation costs may be obtained from the Clerk of Court and Ex-officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 reduced to formal contract will require a performance bond.
7. A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. Performance bond shall be supplied at the signing of the contract.
8. Please indicate if you have insurance: YES _____ NO _____
Successful bidder will be required to furnish proof of insurance to this office.
Successful bidder will be required to furnish Federal I.D. Number.
9. Minimum insurance requirements for this bid are as indicated on the attached sheet.
10. Each bid must be accompanied by a cashier's check, certified check, money order, or surety bid bond in the amount of 5% of the bid.
11. Affidavit required to be submitted with bids on all solicitations for construction, alteration or demolition of public building or project. (LSA-R.S. 38:2224)
12. This is a requirements contract to be provided on an as needed basis.
13. All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

14. In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, JEFFERSON PARISH may purchase on an emergency basis from the next lowest bidder, or available source, until such time as the successful bidder has notified the PARISH in writing that his stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and price will be provided.
15. Vendor will be required to submit to the chief buyer of the JEFFERSON PARISH Purchasing Department a quarterly usage report by item of all items listed on this proposal.
16. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be disqualified if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES _____

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK _____

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

***** ALL BIDDERS MUST COMPLETE SECTION BELOW *****

FIRM NAME: _____

SIGNATURE: _____

(Must be signed here)

TITLE: _____

PRINT OR TYPE NAME: _____

ADDRESS: _____

CITY, STATE: _____

ZIP: _____

TELEPHONE: _____

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FAX: _____

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EMAIL ADDRESS: _____

TOTAL PRICE OF ALL BID ITEMS: \$ _____

THIS BID MUST BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COMPANY/FIRM FOR BID TO BE VALID. BID PACKAGE, INCLUDING INSTRUCTIONS AND SPECIFICATIONS, MUST BE RETURNED IN ITS ENTIRETY FOR BID TO BE VALID. SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the bid number and bid opening date indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096169

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1	ONLY	<p>0010 Labor, Material, and Equipment to furnish and install inspection equipment as per the attached specification, for the Jefferson Parish Department of Drainage.</p> <p>To be installed onto 16 foot Hi Cube Van used for inspection of drainage system.</p> <p>Cost to include the equipment and the installation.</p>		

INSPECTION EQUIPMENT FOR JEFFERSON PARISH DRAINAGE DEPARTMENT

Price to include installation in E-450 16' Hi-Cube Van provided by Jefferson Parish.

Engineering Panel/Mainline Controller/Power Unit

The engineering panel shall provide monitoring of the power to the system. The panel circuitry shall be assembled into an ergonomically mounted in desk top. The front plate shall be heavy gauge aluminum finished with industrial grade surface and be permanently labeled designating the function of the various switches

- Control panel shall provide all the necessary power and controls for operating and monitoring TV inspection system and processing circuitry to extract the video transmitted by the camera in a NTSC format.
- Control panel electrical systems shall be all solid state circuits
- Face Plate shall be permanently labels designating the function or propose of the various switches, meters and controls.
- Panel shall be ergonomically (angle) mounted in desk top with a faceplate with a heavy gauge finish and contained in a damage resistant case.
- Back plate of the controller shall contain all the required plug-ins for the various locking cable connections, each shall be separately indexed and labeled
- Controller shall be divided into three (3) sections; Power, Camera and Cable Reel Controls
- Power section shall include AC volt meter/power supply, Hertz power supply for 60Hz, Generator hour meter and generator start/stop switch.
- Remote start/stop switch shall be provided for starting the generator, eliminating the need to physically access the generator for start and stop.
- Frequency and voltage LED gauges for readout shall be provided.
- Camera section shall provide adjustable controlled NTSC color signal at the video output connector and shall operate from power source of 120 volts AC, 60HZ. An Internal solid-state circuit interrupter shall be provided to allow instantaneous shut off of camera power should overload occur. Camera control section shall have two (2) each 2-pole spring loaded switches allow the operator to adjust both Focus and Iris remotely.
 - a) Focus switch shall allow the operator to adjust the camera focus to changes in pipe diameter or different views of defects conditions
 - b) Iris switch shall allow the operator to override the camera's automatic light compensating circuit (operating range) in the event of excess light or lack of producing a poor picture, proper light adjustment by changing the Iris opening shall improve the picture quality

System requiring manual camera setting or the removal of the camera from the sealed housing in the field to make these adjustments shall be deemed not acceptable

- Camera section shall incorporate an audio microphone preamplifier to provide audio signal for DVD/VCR recording
- Camera section shall have a no/off switch and a LED indicator indication the presents of camera video signal.
- Camera section shall have an operation indicator that can be toggled to show output voltage or current from the camera power supply.

- A Reset LED indicator for overload and power supply shall be part of the camera section providing protection against overloading.
- Input front panel jack shall be provided with the camera section of the Power Controller allowing for plug in of Dual Function Control Box for camera and transporter functions
- Cable Reel section shall provide all necessary controls for the remote operation of the cable reel with on/off switch with indicator light , LED bar graph indicator, speed control knob for un-spooling and retrieval of cable,
- Gear speed switch for selecting High, Neutral or Low speeds shall be provided and allow for infinite speed control
- Directional switch allowing the operator to choose the direction of travel shall be provided in the cable reel section of Power Controller

Auxiliary Desktop Control Box:

- Dual function control box shall be an all in one control unit
- Unit shall be a portable desktop unit that plugs into the camera section of the mainline controller
- Desktop control unit shall include 32 camera and transporter functions
- Top panel shall have a rocker switch mode allowing for change from standard to zoom functions
- Front panel shall have 10 control buttons to control the camera head movement (pan & tilt), transporter speed (three speeds forward and reverse direction controls), free wheel, home and stop
- Controller shall allow the user to change the top rocker switch to change from standard mode to zoom mode controlling manual Iris, Shutter, Gain and focus settings.
- A reset button shall be provided to allow the operator to return the camera to default factory settings
- Desktop control box shall allow for one touch transporter and camera operation

Cable Reel with Power Level Wind

The cable reel shall be designed with a storage capacity of 1000', 1500' and 2000' of Single Conductor double armored steel cable. Reel shall be chain driven and powered by a variable speed electric motor. The reel shall be equipped with an automatic level wind assembly to provide even payout or rewind of the cable. Cable reel shall employ a mercury wetted slip ring

- The cable reel shall include cable drum capable of storing either 1000', 1500' or 2000' of double armored, single conductor coaxial cable
- A ¾ Hp motor variable speed motor with a chain driven, multi-ratio (2) speed transmission shall be provided
- The cable reel front panel shall have On/Off switch, gear selector switch, in/out camera direction switch and speed control switch.
- Reel shall be constructed of aluminum and be power coated for long lasting corrosion protection
- The aluminum cable drum shall be supported by self-aligning heavy duty pillow block bearing with grease fitting
- To conserve space the reel dimensions shall not exceed 36" in length and 19" high and 26" wide

- A Mercury wetted slip ring assembly that is permanently sealed shall be used to provide noise free video transmission and maintenance free operation.
- **Systems using continuous contact rotary slip rings, which are subject to wear and contamination, shall not be acceptable.**
- Automatic level wind shall be installed in the cable reel frame with heavy duty, self aligning ball bearings; a chain drive shall connect the level wind shaft to the cable drum for proper timing of cable rewind.
- Footage meter with electronic encoder mounted on level wind system with cable to Data Collection system and mechanical counter meter shall be provided
- The footage counter wheel shall be fabricated from aircraft grade 6061-T6 aluminum plate to minimize the effects of wear and have a 2 foot circumference for cable measurement accuracy of $\pm 1.0\%$
- Manual footage counter shall also be provided
- The chain drive shall connect the level wind shaft to the cable drum shaft providing accurate timing of the rewind operation.
- Reel shall be controlled from either front engineering panel in viewing room or front panel on reel controls giving the operator the option of retrieving the equipment from the rear at the cable reel.
- An on/off switch, gear selector switch, in/out camera direction switch and speed controls shall be part of the reel controls
- Reel shall have twist lock outlet for an optional power remote winch
- An outrigger articulating arm shall extend 36" from the cable reel mounted in rear of the vehicle for Over-the-hole positioning and have a roller head that will rotate 180 degrees to allow the cable to be pulled from the right or left of the vehicle

Single Conductor Transmission Cable 1500'

A combination double steel armored towing and transmission single conductor cable shall be provided in continuous lengths of 1500'

- The cable shall be torque balanced to prevent unraveling or stretching
- Cable shall have a minimum **break strength of 5,400 lb** and shall be no more than $\frac{1}{4}$ " in diameter
- Cable grip shall be included to transfer the cable towing strength to the camera skid runners or camera transporter
- A removable, reusable bullet connector, allowing simple re-termination (approx. Re-termination time 30 minutes) shall be provided keeping down time to a minimum
- The bullet connector shall be constructed of durable stainless steel
- There shall be a Delran Protector Sleeve provided
- A twist on/off connector shall be provided for the transporter/camera end and a ferrule and nut assembly shall be provided at the cable end
- Dummy plug shall be provided for cable protection once pigtail has been removed
- **Any system employing soldering and /or scotch cast molding, that require npn-productive curing time, shall not be acceptable due to excess down time**

2 Only Pan, Rotate and Optical Zoom Cameras

***Note: There will be no exceptions concerning these camera specifications to standardize with all Public Works existing cameras in the Sewer and Streets Department**

LISTING AND LABELING

The camera, described below, shall be tested, certified, labeled and listed for electrical safety and its intended environment and application. It shall be tested and approved by an N.R.T.L (Nationally Recognized Testing Laboratory) as defined by CFR 29 1910.399. The word "Listed" shall be prominently marked on the body of the camera. The camera shall be compatible and supplied with manufacturer's camera system controller and camera transport vehicle that shall likewise be labeled and listed. Bidders shall provide, at the time of the bid, a copy of the N.R.T.L. testing data and approval certification.

Pan, rotate and zoom camera shall be designed to inspect 6" diameter relined pipe to 36" providing close-up view of pipe wall and defects. Camera shall provide a sharp color picture, operating on single conductor cable.

- **Systems that use separate conductors for the camera, light power and video, therefore requiring heavy cable that is difficult to terminate in the field shall not be acceptable**
- Directional camera head shall be capable of 330-degree axial rotation and 270-degree lateral swing or any combination, enabling the 360-degre viewing of laterals perpendicular to the direction of camera travel
- Lighting adequate for 6" to 36" pipe shall be built into the camera head
- Minimum sensor sensitivity shall be 0.5 lux adjusted for reduced shutter speed
- Camera shall be capable of operating under a minimum scene illumination of 2 lux to produce an NTSC video picture with horizontal resolution of 470 lines
- f/1.4 lens shall provide a 70-degree diagonal field of view
- Lamp intensity, lens focus, iris aperture, camera head rotation and swing all shall be remotely and adjusted from the viewing station.
- Camera shall be able to be transported through the line via skids or tractor transporter
- Camera housing shall be fabricated from Stainless Steel and high strength aluminum having a minimum thickness of 0.125" and black anodized per MIL-A-8625D to resist scratching and corrosion
- Directional head shall have a distortion-free, optical grade sapphire glass window behind which are located the camera lens and two integrated Lights
- Camera shall have maximum diameter body of 2.6", rotational diameter of directional head shall be less than 4.5" allowing full swing and rotation of the head in 5" pipe, no part of the camera shall protrude more than 0.25" from the camera body
- Overall length of shall not exceed 17" and a camera weight of 10lbs.
- A single, sealed bulkhead connector at the back of the camera shall provide conduction of power to the camera and conduction of the video signal from the camera
- **Camera having more than one electrical feed through shall be considered at high risk for leakage and corrosion shall not be acceptable**
- Camera rotating head shall be mechanically driven with a gear train and precision DC motors
- **Cameras with rotating heads driven with belts that are subject to premature wear, shall be considered high maintenance and shall not be acceptable**
- Operating temperature ranges of the camera shall be 0 degrees to 50 degrees centigrade and shall be sealed to withstand external pressure up to 50 psi without leaking
- A self-sealing pressure test port shall be provided on the camera back **to check camera leak** resistance

- A sharp true color image, solid state CCD image with at least 379,000 pixels transmitted on video bandwidths only producing a low volt video signal at the monitor after transmission through 2,500' of single conductor cable shall be provided
- Signal-to-noise ration shall be at 46dB with no geometric distortion of the image
- Optical and digital zoom and focus shall be selectable from the maintenance terminal. Remote control of pan, rotation, homing, optical zoom, manual focus, automatic focus, shutter speed, and manual iris shall be provided
- Optical Zoom range:10x with digital Zoom range 4x (40x with optical zoom) total effective zoom ratio: 40:1
- Adequate lighting for illumination in 6" -36" shall be provide by two 20 watt, 14 volt halogen bulbs built into the camera head
- Lamp and camera power shall be derived from the single conductor input by power supply within the camera, power supply shall limit power to each lamp regardless of controller voltage setting to provide 200 hour bulb life expectancy
- Automatic on-screen video display shall indicate excessive voltage at the camera regardless of cable lengths or other electrical loading.
- A color bar generator shall be located in the camera and shall be capable of activation from the viewing station, enabling the user to check or adjust the color retention and contrast on the monitoring equipment

SPARE PARTS

1. (2) 3 Pin tv/ Termination Tow Cable
 2. (6) Spare Camera Bulbs
 3. (3) Assy Cable, 3 Pin Male/6 Pin Female
 4. (3) 18" Tow Cable
 5. (12) Compression union 1/4"
- **Camera head with more than three glass windows will not be acceptable.**
 - **Cameras without built in lighting systems will not be accepted**
 - **Cameras with more than two integrated halogen bulbs will not be accepted.**
 - **Cameras longer than 17' will not be acceptable.**

Transporter four-wheel drive

The transporter shall have the ability and be designed to transport an inspection camera through sanitary sewer and /or storm drain lines from 24" to 120" in diameter. Transporter shall be a four wheel drive, steerable inspection vehicle with an elevation platform to rise and lower the camera viewpoint.

- Transporter electronic components shall be all solid state
- A power supply shall be built into the tractor and shall extract control signals and power from the single conductor cable
- The power supply shall also limit current and increase motor torque when loading causes supply to approach 1 amp
- Tractor shall have manhole access minimum of 21"
- Minimum pipeline size shall be 24" maximum pipeline shall be limited to available lighting

- Lighting on transporter shall have dual 35 watt adjustable lights which can be turned on from the desktop controller when pipeline line requires
- Transporter shall be manufactures of Anodized aircraft aluminum and stainless steel
- Minimum turning radius shall be vehicle length 36"
- Power requirement shall be 90-120 volts dc from camera power
- Transporter motor shall be permanent magnet 90 volts dc
- Drive system shall be 4 wheel drive with three (3) speed ranges
- Transporter shall have 3 speeds forward, stop, reverse, and freewheel
- The internal gear train shall have freewheel type
- Steering type shall be drive and brake type
- Standard tire size shall be 11" diameter, pneumatic high traction with the option of adding 13" Hi Traction AG implement tire and wheel
- Speeds shall be up to 80-85ft per minute
- Motorized camera lift shall enable camera to be centered into pipes up to 60" pipe remotely from the desktop controller
- Transporter sizes shall be Length 36", 15" width, 15.5" with elevator in fully lowered position and weight 100 lbs.
- Transporter shall be operated from the same desktop controller used to provide function to the camera through the single conductor cable and include all the functions to the tractor

Tread Drive, Camera Transporter

The camera transport vehicle, described below, shall be tested, certified, labeled, and listed for electrical safety and its intended environment and application. It shall be tested and approved by an N.R.T.L. (Nationally Recognized Testing Laboratory) as defined by CFR 29 1910.399. The word "Listed" shall be prominently marked on the body of the vehicle. The camera transport vehicle shall be compatible and supplied with manufacturer's camera and camera system controller that shall likewise be labeled and listed. Bidders shall provide, at the time of the bid, a copy of the N.R.T.L. testing data and approved certification.

An inspection transporter Crawler shall be capable of transporting a power supply within the camera, power supply shall limit power to each lamp regardless of controller voltage setting to provide 200 hour bulb life expectancy.

- * Automatic on-screen video display shall indicate excessive voltage at the camera regardless of cable lengths or other electrical loading.
- * A color bar generator shall be located in the camera and shall be capable of activation from the viewing station, enabling the user to check or adjust the color retention and contrast on the monitoring equipment.
- * Push button desk top auxiliary controller shall be supplied providing all camera head movement functions, manual iris and focus control, home position function and camera lights off to full intensity control. Controller shall also incorporate all functions of the transporter.
- * Maintenance Kit one set of replacement parts, which includes but not limited to spare connectors, miscellaneous hardware and a system test cable shall be included with the camera.
- * Remote Auxiliary Controller incorporating all the camera and transporter functions shall be provide at the rear cable reel to assist operator with placement of camera and transporter into pipe without the need to enter viewing room.

- * Optional: camera skid 6" to 36" that are collapsible design and require no special tools for set up to different line sizes, bottom runners shall be 5/8" diameter stainless steel with upturned ends with three (3) stainless steel top rails.
- * Optional: High performance light heads shall be available to provide illumination to inspect 36"-48" diameter lines. Light heads shall consist of an "O" ring sealed 65-watt pre-focused lame and reflector, light window shall be optical grade quartz 1/4" minimum thickness with a lamp life of 2,000 hour rating

Sky Crane

Motorized Sky Crane with two articulating arms shall be provided.

- Lifting capacity 175 Lbs. NOT OSHA Man-rated
- Crane shall have two articulating arms allowing for easy loading and unloading providing easy manhole entry of video equipment
- Mast shall be fabricated of 2" X 2" square steel tubing and be powder coated white
- Hoist shall be .6HP and include an internal braking system
- Hoist movement in and up and down direction shall be at 20 FPM retrieval rate with 175 Lbs load rate
- Crane shall be provided with 45 feet of 5/32" diameter, galvanized aircraft quality aircraft cable with a single line pull of 1,000 Lbs
- A safety hook shall be provided
- Remote control shall be provided from a weather resistant remote control for hoisting function from up to 5 feet away
- Articulating arms shall be fabricated from 2" X 4" steel rectangular tubing

RACMOUNT COMPUTER SYSTEM

- * The computer shall have an Antec 19in. 4U black rackmount server case.
- * The computer shall have a gigabyte LGA 775 P43/DDR2/C2D mother board
- * The computer shall have and Intel E8500 C2D 3.16 1333MHZ 6MB Cache processor.
- * The computer shall have a Kingston 4GB DDR2 800 Memory (ROM).
- * The computer shall have a 500GB Serial ATA 5 Year Warranty hard drive
- * The computer shall have a 116D 20X DVD+/-RW black .
- * The computer shall have MS Windows XP Professional operating system.
- * The computer shall have a 17in. Acer V173B black LCD 2000:1 monitor.
- * The computer shall have a mounting bracket for monitor.
- * The computer shall have a 500GB 7200 RPM USB 2.0 external hard drive.
- * The computer shall have a 2PC black USB powered CA-2016 speaker.
- * The computer shall have a black keyboard and optical mouse.

PIPELINE INSPECTION SOFTWARE REQUIREMENTS

Pipetech Scan 5.x- Field Based Software

The licensed software provided in the field vehicle shall be an editing and modifying version of software.

Compliance

The license software shall operate in Windows XP.

The Relational Database Manager System software shall be a Windows based system, capable of connection to external systems via ODBC compliant connection.

All files created shall be of an open nature and able to be exported into their databases.

Information on the database schema, data file headers, format, and relations shall be available to allow the data to be directly accessed by the user for use in other applications and software.

Working Screen

One main screen of the software shall be present the majority of the time the user is working in the software.

The majority of the working screens shall be pop-up displays that are placed as windows on top of the main screen.

The main screen of the viewing software shall be divided into three areas: first area shall be video and video recorder controls, second area shall be section information, and third area shall be observation information.

Video and Video Recorder Controls

The field-based software shall allow the user to capture MPEG-1, MPEG-2, and MPEG-4 digital video in real time and allow the user to control the recording and playback of the inspection video.

The user shall have the ability to pause the video recording and to resume the recording while creating only one video file. There shall be no limit to the number of times the user is capable of pausing the video recording.

The video window shall have the capability of being sized by the user.

The user shall have the ability to playback video at various speeds (1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, etc.).

The user shall have the ability to “jump” forward or backward by a user-defined number of video frames.

The user shall have the ability to “click” on specific observation from a list of logged observations and “jump” to the exact video frame associated with that observation.

The user shall be able to “scroll” through the video utilizing a scrollbar located at the bottom of the video window to allow for quick access to portions of the inspection video.

The user shall have the ability to take individual stall images from the video stream either during video recording or playback.

Section Information

This area shall show information regarding the line section televised.

This information shall be customizable to fit the needs of the Parish’s desired inspection information.

The user shall have the ability to create drop-down menus for any or all of the values listed in the section information area. These drop-down menus shall be configured to either allow free typing or limit the user’s choice to one of the items on the list.

CD/DVD Burning

Field and office-based software must have native, one-click DVD/CD authoring capability with the option to automatically include the free viewer software on the DVD/CD at the time of authoring.

Customization

The field software must be customizable to fit any header or code list as desired and determined by the Parish. Including but not limited to the latest NASSCO PACP v4.2 and MACP v4.2 format. The software must be both PACP and MACP v4.2 certified by NASSCO.

The user shall have the ability to create drop-down menus for any or all of the values listed in the header section information area. These drop-down menus shall be configured to either allow free typing or limit the user’s choice to one of the items in the list.

Observation Logging

The observation area of the field software shall allow for unlimited observations to be input for coordinating with a section.

For each of the observations shown, the information shown on the main screen shall be customizable by the user.

By selecting one of the observations shown, the user will immediately be brought to the portion of the inspection video that contains the specified observation.

All observation descriptions shall be customizable by the Parish. (The Parish shall be able to set up customization requirements, as noted below).

The software shall include the ability to define custom actions or “macros” to automate the identification of observations. These macros will have the ability to populate any of the fields that describe the given observation with predefined values; and, if desired, save the observation without any additional user input. The user shall have the ability to define every aspect of the macros behavior, including auto-saving an observation or not. The software shall display to the user the operation of the individual macros and allow for reassignment of the macro at any time by the user.

At any time when the user/operator is selecting an observation/defect description to be input, the live video area of the screen shall remain viewable.

The distance (length down the pipe) shall be immediately input from the overlay/titler system and the user shall not be required to request this distance when an observation is made within the software.

A severity rating for each observation/defect noted can optionally exist. The severity rating shall be able to vary based upon the user’s defined severity standard and shall coordinate with the defect.

When the operator determines an image is necessary to show a defect’s severity, the operator shall, directly from the main screen of the software, be able to capture and store the image. Alternatively, the user can utilize the Auto-Snapshot feature within the software to automatically take a snapshot of every observation.

Upon selecting to capture the image, the video shall be maximized to cover the entire screen for better viewing.

As images are captured to coordinate with an observation/defect, these files will automatically be saved utilizing a user defined naming convention (e.g. LAT@103.5.jpg).

All images able to be captured in the software shall be able to be captured in common image formats including JPEG and BMP format.

Reporting Capabilities

All reports printed within the field-based software shall be customizable to include items that the Parish desires (including logos, graphics, contact information, etc).

Each report shall contain a footer portion that can be customized to reflect the needs of the Parish.

The user shall be able to print a pipeline inspection report that displays a true-to-scale graphic and that optionally contains thumbnail images of the defects/observations encountered.

This pipeline inspection report shall include a header area at the top of each report stating all information/data input for that particular section.

The user shall have the option to print Inspection Image printouts. The user shall have the ability to control the number of images that print per report page.

On the Inspection Image printout, below each image shall be shown the footage/metric distance the image coordinates with, and the observation/defect description selected for the image.

Overlay/Title Control

An Overlay/Title that communicates with the field-based software must also be furnished. The software shall allow the user to display the following different types of overlay information:

Location Information: this information will display just the current location within the pipeline, listed in either Imperial or Metric units.

Segment Information: this information shall be user-defined and will usually include the information pertinent to the inspection of the segment. This information will generally be displayed between defects/observations.

Work-Order Information: this information shall be user-defined and will usually include all information surrounding the reasons for performing the inspection. This information will generally be displayed at the beginning and end of each segment.

Throughout the pipeline inspection, the software shall be capable of automatically display the observations/defects noted on the video for a user defined amount of time (measured in seconds). The operator shall not be required to make this happen individually.

The operator shall have the ability to reset the distance.

The operator shall have the ability to preset the distance.

The operator shall have the ability to change character colors from black to white.

The operator shall have the ability to modify the background color appearing behind text from transparent, black or white.

The operator shall have the ability to remove all overlay display off screen, without stopping the distance counter from continuing to count if cable is pulled out or in.

The overlay shall be fully capable of running as a “stand alone” unit. The overlay shall provide clear text over an NTSC video signal with a minimum pixel height of 9 pixels.

Pipetech View 5.x- Office Based Software

Qualified bidder must also provide a separate, office-based software license for reviewing and editing inspection data/video captured in the field.

The office viewing software shall operate in Windows XP and have the option to be a shared, network license.

The user shall have the ability to open any existing inspection stored on a server location or any other form of stored media for review and editing.

For each inspection, the user shall be able to review the inspection information recorded by the operator, the defect/observations information, watch the entire inspection video, and print customized reports with the capabilities as described in the **Reporting Capabilities** section above.

The office user shall have the ability to “click” on specific observation from a list of logged observations related to specific inspection and “jump” to the exact video frame associated with that observation.

Advanced Query Module

The user shall have the ability to create a master inspection library of all inspection videos and data. The office-based license must then allow the user to search this data based on any single or combination of inspection header fields, incident codes or categories contained with the library record. User-defined query restraints such as date range or value size (i.e. </>/>=<=) must also be available for querying the inspection library. Custom query results will be returned for review and corresponding reports available for generation.

GIS Map Module

Office software must also have the ability to interface with ESRI ArcGIS 9.3. User will have the ability to associate inspection records with specific ESRI GIS assets. User will be able to launch the ArcGIS product through the office software and be brought directly to associated asset(s) without any extra steps. Conversely, the user must also have the ability to launch the office software and access specific video inspection videos and data from within the ArcGIS product that are associated with specific map assets.

Specifications For Free Viewer Software

The viewing software shall operate in Windows XP.

The user shall have the ability to open any existing inspection stored on the read-only removable media.

For each inspection, the user shall be able to review the inspection information recorded by the operator, the defect/observation information, watch the entire inspection video, and print customized reports with the capabilities as described in the Reporting Capabilities section above.

Training & Installations

Successful bidder must provide the following installations and training as part of the overall system package:

1.5 days of on-site training and installation for both field-based and office-based software.

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.

SECRETARY-TREASURER

DATE

INSURANCE REQUIREMENTS

All insurance requirements shall conform to Jefferson Parish Resolution No. 105529 or No. 105530 dated 05/17/2006.

The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and Resolution No. 105529 or No. 105530.

WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

COMMERCIAL GENERAL LIABILITY

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

COMPREHENSIVE AUTOMOBILE LIABILITY

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible be borne by the contractor.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

CONSTRUCTION AND RENOVATION PROJECTS REQUIRE THE FOLLOWING:

OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.